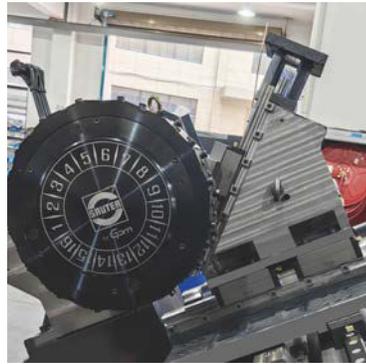


**Features:**

- Adopt 90% same structure as JAPAN NAKAMURA-TOME, bed adopt 30° slant design, high rigidity, good machining flexibility
- Adopt TAIWAN technology, designed by TAIWAN engineer, most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt modularization design, has strong extended function, easy for various especial configuration choice
- Adopt HT300 resin sand cast iron, after aging treatment and FEA analysis, small distortion, good torsional strength, good heat stability
- Base adopt multilayer strengthening rib, ensure bed's strength and stability
- Main spindle and sub-spindle adopt high precision electro-spindle unit, big output torque, rapid start-stop speed
- Adopt high precision pre-stretched ball screw, coupled with motor directly by linkager, high transmission rigidity, can realize high precise turning
- Adopt high precision ROLLER type linear guideway, high rigidity, good accuracy holding, suitable for heavy loading and precise machining
- Upper tool turret adopt 16T GERMANY SAUTER brand powered tool turret with 30° slant interpolation Y axes, super higher machining rigidity than common 90° Y axes, lower tool turret adopt 16T GERMANY SAUTER brand powered tool turret without Y axes.



Frame



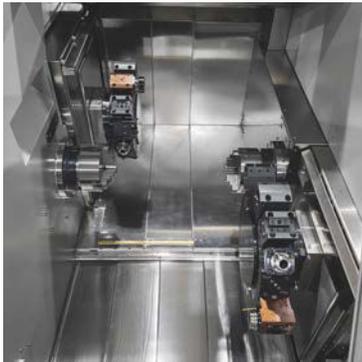
Upper 16T powered turret with interpolation Y axes



Electro-spindle for both spindles



Lower tool turret transmission



Dual spindles with dual turrets



Upper 16T powered turret with Y axes



Lower 16T powered turret without Y axes



SYNTEC 220TB CNC controller

Main parts list:

Item	Brand	Item	Brand
CNC controller	JAPAN-FANUC/TAIWAN-SYNTEC	Linear guideway	JAPAN-THK/TAIWAN-PMI
Servo driver&motor	JAPAN-FANUC/TAIWAN-SYNTEC	Lubrication system	TAIWAN
Electro-spindle	CHINA-TOP	Rotary oil cylinder&chuck	KOREA-SEOAM/TAIWAN-CHANDOX
Spindle bearing	JAPAN-NSK/GERMANY-SKF	Hydraulic parts	TAIWAN/JAPAN
Ball screw bearing	JAPAN-KOYO/GERMANY-FAG	Electricity parts	FRANCE-SCHNEIDER
Tool turret	GERMANY-SAUTER	Nuts	TAIWAN-YINSH
Ball screw	JAPAN-THK		

Standard configuration:

- FANUC 0I TF CNC controller
- Dual spindles
- Hydraulic chuck
- Dual 16 station powered tool turret
- Y axes

Optional configuration:

- Tool setting probe

Specification:			
Item	Specification	Unit	BL-H60SY2
Capacity	Max. workpiece swing dia. over bed	mm	Φ280
	Max. turning length	mm	600
	Max. turning dia.	mm	Φ280
Main spindle& Sub-spindle	Spindle bore	mm	Φ66
	Spindle end type	/	A2-6
	Spindle speed	rpm	4000
	Spindle max. bar through dia.	mm	Φ51
	Spindle motor power	kw	19(electro-spindle)
	Spindle chuck size	"	8"
	Linear guideway type	/	ROLLER type
	X1/Z1/Y X2/Z2/Z3 axes	X1/Z1/Y axes travel	mm
X1/Z1/Y axes motor		kw	1.8/1.8/2.5(FANUC)
X1/Z1/Y axes rapid moving speed		m/min	24/24/15
X2/Z2/Z3 axes travel		mm	180/600/600
X2/Z2/Z3 axes motor		kw	1.8/1.8/2.5(FANUC)
X2/Z2/Z3 axes rapid moving speed		m/min	24/24/20
Tool turret	Tool turret qty	/	2
	Tool turret type	/	BMT55 Powered tool turret
	Tool qty	/	16T
	Vicinal tool changing time	s	0.3
	Farthest tool changing time	s	0.8
	Toolshank size	mm	25×25, Φ40
	Live tool motor power	kw	4.5(FANUC)
	Live tool max. speed	rpm	6000
Accuracy	X1/Z1/Y/X2/Z2/Z3 axes positioning accuracy	mm	0.007/0.008/0.008/0.007/0.008/0.008
	X1/Z1/Y/X2/Z2/Z3 axes repeat positioning accuracy	mm	0.003/0.004/0.004/0.003/0.004/0.004
Others	Coolant pump motor	w	500
	N.W.	kg	9500
	Overall size	mm	3310/4590x2455x2115 (exclude/include chip conveyor)